

ABSTRACT

By providing a gear assembly employing drive gears which engage at least two associated gears for simultaneous rotation, with the gear assembly being constructed for axially driving the bush-bearing shaft/cable member, a new fully automatic, portable tube/conduit cleaning system is attached, with the components forming the system being capable of being easily held and carried to any desired job site. By employing this construction, the cleaning system of the present invention enables the shaft/cable carrying the rotating brush to be driven in both a forward and reverse direction, along the axis of the tube or conduit, making it easier for an operator to clean extremely difficult pipes and conduits, while also controlling the relative speed of the brush rotation. In the present invention, the elongated flexible shaft/cable is controllably fed at a low rate of speed, while the cleaning brush is rotated at a relative very high rate of speed, thereby achieving superior cleaning results.